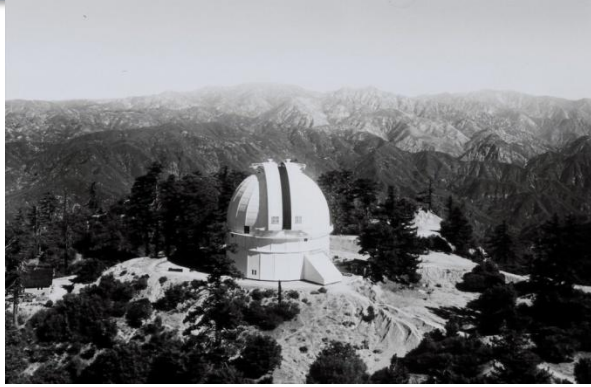


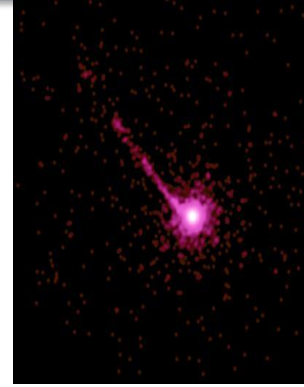
Discovery of Quasars (1964)



Mt. Wilson Observatory



Quasars



Allan R. Sandage
(1926 – 2010)

Recipient of: National Medal
of Science & Bruce Medal

Discovery

- 3C273: strong extragalactic source
- Periodic intense radio waves emitted
- Redshift of 0.16

Vega

$H\alpha$ β γ δ

3C273

Importance

- Helps support super black hole theories
- Supports the Big Bang Theory
- Show high-order molecule structures
- Quasars are considered good 'lighthouses' for intergalactic traveling
- Helped pave the way for gamma-ray astronomy

